

17. (Amended) The information processing apparatus according to claim 25 wherein said mark corresponding to ClipMark and said mark corresponding to said PlayListMark are represented by an address of a relative source packet corresponding to an entry point of said AV stream.

19. (Amended) The information processing apparatus according to claim 25 wherein said mark of said ClipMark includes a scene change point, a commercial start point, a commercial end point or a title displaying scene.

Also, please cancel claims 3, 15, 16, 20, 21, 22 and 23 and add the following new claims 24-30:

24. The information processing apparatus according to claim 1 wherein said PlayListMark further includes a mark specifying a Resume point in reproducing said PlayList.

25. An information processing apparatus for reproducing a recording medium having recorded thereon an AV stream, ClipMark formed by a mark pointing to a characteristic picture extracted from said AV stream, and PlayListMark, formed by a mark pointing to a picture optionally specified by a user, from a reproduction domain corresponding to PlayList defining the combination of preset domains in said AV stream, said information processing apparatus comprising:

reproducing means for reproducing said recording medium; and

control means for acquiring a recording position corresponding to said mark stated in the ClipMark or PlayListMark reproduced and for controlling said reproducing means responsive to the so acquired recording position.

26. The information processing apparatus according to claim 25 further comprising:

presentation controlling means for managing control to cause a list by a thumbnail picture associated with said PlayListMark to be presented to a user.

27. An information processing method for reproducing a recording medium having recorded thereon an AV stream, ClipMark formed by a mark pointing to a characteristic picture extracted from said AV stream, and PlayListMark, formed by a mark pointing to a picture optionally specified by a user, from a reproduction domain corresponding to PlayList defining the combination of preset domains in said AV stream, said information processing method comprising:

a reproducing step of reproducing said recording medium; and

a controlling step acquiring a recording position corresponding to said mark stated in the ClipMark or PlayListMark reproduced and for controlling said reproducing step responsive to the acquired recording position.

28. A recording medium having recorded thereon a computer-readable program, for reproducing a recording medium having recorded thereon an AV stream, ClipMark formed by a mark pointing to a characteristic picture extracted from said AV stream, and PlayListMark, formed by a mark pointing to a picture optionally specified by a user, from a reproduction domain corresponding to PlayList defining the combination of preset domains in said AV stream, said computer-readable program comprising:

a reproducing step of reproducing said recording medium; and

a controlling step of acquiring a recording position corresponding to said mark stated in the ClipMark or PlayListMark reproduced and for controlling said reproducing means responsive to the acquired recording position.

29. A computer-readable program for reproducing a recording medium having recorded thereon an AV stream, ClipMark formed by a mark pointing to a characteristic picture extracted from said AV stream, and PlayListMark, formed by a mark pointing to a picture optionally specified by a user, from a reproduction domain corresponding to PlayList defining the combination of preset domains in said AV stream, said computer-readable program comprising:

a reproducing step of reproducing said recording medium; and